

## Technical challenges of HNSciCloud

*Thursday 13 October 2016 11:30 (15 minutes)*

The HNSciCloud project (presented in general by another contribution) faces the challenge to accelerate developments performed by the selected commercial providers. In order to guarantee cost-efficient usage of IaaS resources across a wide range of scientific communities, the technical requirements had to be carefully constructed. With respect to current IaaS offerings, data-intensive science is the biggest challenge; other points that need to be addressed concern identity federations, network connectivity and how to match business practices of large IaaS providers with those of public research organisations. This contribution will explain the key points of the technical requirements and present first results of the experience of the procurers with the services in comparison to their 'on-premise' infrastructure.

### **Tertiary Keyword (Optional)**

Experience/plans from outside experimental HEP/NP

### **Secondary Keyword (Optional)**

Computing models

### **Primary Keyword (Mandatory)**

Cloud technologies

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